

## ABSTRACT

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5 The image signal reproduction apparatus of the  
~~present invention~~ for reproducing a main image signal  
including either a first type of image signal obtained by  
converting a film material image into an electrical signal  
or a second type of image signal including a video signal  
as a material thereof, using a transfer information  
including the main image signal and a determination flag  
10 for determining whether the main image signal is the first  
type of image signal or the second type of image signal,  
includes: a first timing signal generation section for  
outputting a first timing signal indicating a field to be  
repeatedly output in the case where the main image signal  
15 is the first type of image signal; a first material  
determination section for determining whether the main  
image signal is the first type of image signal or the second  
type of image signal, based on the determination flag; an  
interlaced scanned image signal reproduction section for  
20 converting the main image signal to an interlaced scanned  
image signal of 60 fields per second in response to an output  
of the first timing signal generation section when the first  
material determination section determines that the main  
image signal is the first type of image signal, and outputs  
25 the converted signal or outputs the main image signal as  
it is when the first material determination section  
determines that the main image signal is the second type  
of image signal; a field memory for storing 2 fields of  
outputs of the interlaced scanned image signal reproduction  
30 section; a field difference detection section for detecting  
a difference between an output of the interlaced scanned  
image signal reproduction section and an output of the field  
memory; a second material determination section for

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[illegible]

5 determining whether the main image signal is the first type  
of image signal or the second type of image signal, based  
on an output of the first material determination section  
or on outputs of the first timing signal generation section  
and the field difference detection section; a timing signal  
generation section for generating a second timing signal  
indicating a breakpoint between frames of the film material  
in the interlaced scanned image signal, based on an output  
of the field difference detection section when the second  
material detection section detects that the main image  
signal is the first type of image signal; and a progressive  
scanning conversion section for obtaining a progressive  
scanned image signal by synthesizing 2 fields of interlaced  
scanned image signals of 60 fields per second in response  
to the second timing signal when a generation method of an  
insertion scanning signal is changed in response to an output  
of the second material determination section and the second  
material determination section determines that the main  
image signal is the first type of image signal.